



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY



1110 West Washington Street Phoenix, Arizona 85007
(602) 771-2300 www.azdeq.gov

Small MS4 Annual Report

ID #: AZSM65749

MS4 Name: MARICOPA COUNTY MS4

Reporting Period: 01-Jul-2019 - 30-Jun-2020

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

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Annual Report Summary

Company Information

Name : MARICOPA COUNTY - ENVIRONMENTAL SERVICES DEPARTMENT
3800 N CENTRAL AVE
STE 300
PHOENIX
AZ , 85012

Question: During this reporting period, was additional land annexed into the regulated MS4 area?

Answer: No

Question: Is stormwater sewer mapping 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Question: Is outfall mapping 100 percent complete?

Answer: Yes

Number of outfalls mapped: 388

Provide the description of the measurable goal:

Question: Is identification of receiving waters information 100 percent complete?

Answer: Yes

Provide the description of the measurable goal:

Question: Has an Illicit Discharge Detection and Elimination (IDDE) enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Maricopa County Environmental Services Department	Maricopa County Stormwater Quality Management and Discharge Control Regulation	05/06/2009	

Question: Has a Construction Site Stormwater Runoff enforcement authority or other regulatory mechanism been established?

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Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Maricopa County Environmental Services Department	Maricopa County Stormwater Quality Management and Discharge Control Regulation	05/06/2009	

Question: Has a Post-Construction Stormwater Management enforcement authority or other regulatory mechanism been established?

Answer: Yes

Name	Title/Code/Citation	Effective Date	Inactive Date
Maricopa County Environmental Services Department	Maricopa County Stormwater Quality Management and Discharge Control Regulation	05/06/2009	

Question: For each BMP in the Minimum Control Measure 1: Public Education and Outreach, what was completed during this reporting period?

Answer:

BMP Name: Outreach Events

Category: Special Event

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

Outreach Events: The Environmental Services Department will maintain general public outreach event program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

Outreach Events: Manned educational booth events will be held each year. The name of the event, message and estimated number of people reached will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

To reach as much of our diverse population as possible, public events are offered throughout Maricopa County. This year's public event venues were located at Avondale STEAM Fest; Legacy Traditional School STEAM Night; Cortina Elementary STEAM Night; AARP Health, Safety, and Pet Festival; Loving Life After 50 Event; Surprise SciTech Festival; Phoenix College STEAM Fest; Country Meadows STEM Night; and Tempe Oktoberfest (2 nights). Program staff participated in 10 events which reached 1,240 people.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Maricopa County Stormwater Quality Program (MCSQP) created the Efficiency Matrix to assess the effectiveness of the number of people reached at the events. Public events have proven to be an efficient way to convey our stormwater pollution prevention message to a large and diverse population in a short amount of time. Survey analysis from those events confirms that customers are understanding the program's message. Public events will continue in FY21.

BMP Name: Educational Material

Category: Brochures

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

Educational Materials: The Environmental Services Department will distribute print material, brochures, promotional items and other items to increase awareness of stormwater pollution prevention.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

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Educational Materials: Ensure the distribution of educational materials annually. The general public, commercial and residential activities are the targeted audience. The type and number of educational materials will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The outreach education program distributed 1,271 in educational materials and 2,901 promotional items. A selection of educational items is made available in both English and Spanish and contained an educational stormwater pollution prevention message. In addition to printed materials, the message to identify and prevent stormwater pollution is effectively provided to the public using several different mediums including educational workshops, public events, and a variety of social media outlets. In addition, Our web site offers educational outreach information, resources and information. Google Analytics is used to capture web site activity. A total of 30,531 web page views and 1,802 downloads were recorded.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Survey results noted increase of awareness of stormwater pollution prevention after the provision of promotional and educational items. Website is current and continues to receive downloads and web-page views. These methods will continue in FY21.

BMP Name: Student Audience Outreach Program

Category: School Event

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

Student Audience Outreach Program: The Environmental Services Department will maintain a student audience education program, called The School Outreach Program. This program focuses on in person classroom education.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public ***Frequency:*** 1 Annually

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Milestone Description:

Student Audience Outreach Program: The message, the location served, number of educational programs conducted and the number of students reached will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The School Outreach Program focuses on in person classroom education. This focus continues to be successfully accomplished using five (5) classroom workshops developed by the program. These hands-on, grade specific workshops are regularly presented to the K-8 students throughout Maricopa County. The MCSQP has one full time Outreach Coordinator who has conducted 59 educational workshops that reached 1,455 students in 9 cities. Assessment of the stormwater pollution prevention message is achieved through the assay of surveys that are completed by the students. The survey results show on average after attending a workshop, 87% of students understand stormwater goes to our local waterways, and 86% of students also recognize that urban runoff is a leading cause of pollution in water. The survey results reflect that the educational workshops are an extremely effective forum for sharing our stormwater pollution prevention message.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP). The COVID-19 pandemic cut this school year short when schools had to transition to online classes and in-person events were cancelled. We expect the same for the FY21 school year and are working on adjusting our outreach programs to accommodate a new normal by providing online classes, lesson downloads, and virtual events. We will continue to offer in-person education and events when it becomes safe to do so.

BMP Name: Webpage

Category: Webpage

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

Webpage: The Environmental Services Department will maintain a website that provides useful information to the public on stormwater pollution prevention.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

Webpage: Ensure the website is maintained with current and useful information. Website activity reported annually. The general public, commercial and residential activities are the targeted audience. The type and number of educational materials will be reported annually. Website activity including the number of page views and downloads will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Our web site offers educational outreach information, resources and information pertaining to our stormwater program. Google Analytics is used to capture web site activity. A total of 30,531 web page views and 1,802 downloads were recorded.

STORM Website – Received a total of 6,987 webpage views by 3,321 users during 3,867 sessions. A session is defined as a period when a user is engaged in the website and the average session was 1 minute and 31 seconds.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

This medium of outreach is efficient in bringing public awareness by reaching a mass audience and allows for analysis of outreach results that can be modified to reach target audiences, we will continue using social media in FY21.

BMP Name: Modification of Ineffective Messages

Category: Effectiveness of Outreach messages

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

Modification of Ineffective Messages: The Environmental Services Department will review, modify and record modifications of any ineffective messages.

Is another government entity responsible for this BMP ? No

Measurable Goals:

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Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

Modification of Ineffective Messages: A report titled, Annual Summarization of Outreach Programs will be created and submitted to the program supervisor each year. A tool called the Efficiency Matrix has been developed and can be used as a tool to aid in creating the report. The report will be used to assess the effectiveness of outreach messages. All modifications of messages will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The School Outreach Program focuses on in person classroom education. This focus continues to be successfully accomplished using five (5) classroom workshops developed by the program. These hands-on, grade specific workshops are regularly presented to the K-8 students throughout Maricopa County. The MCSQP has one full time Outreach Coordinator who has conducted 59 educational workshops that reached 1,455 students in 9 cities. Assessment of the stormwater pollution prevention message is achieved through the assay of surveys that are completed by the students. The survey results show on average after attending a workshop, 87% of students understand stormwater goes to our local waterways, and 86% of students also recognize that urban runoff is a leading cause of pollution in water. The survey results reflect that the educational workshops are an extremely effective forum for sharing our stormwater pollution prevention message.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The school outreach programs are very effective. School age children are impressionable, and therefore, the importance of continued pollution prevention activities for school age children is imperative for long term behavior change. Additionally, the school outreach program relies on teacher requests. The continued requests from teachers for our program is an indication of continued success and which will continue in FY21.

BMP Name: Multimedia Outreach

Category: Local PSAs

Personnel Position/Department: Outreach Coordinator/Environmental Services

BMP Description :

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Multimedia Outreach: The Environmental Services Department will maintain multimedia activities that include but are not limited to newspapers articles, ads, and Facebook outreach.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Targeted Audience: General Public **Frequency:** 1 Annually

Milestone Description:

Multimedia Outreach: Multimedia outreach activities will be provided. The general public is the targeted audience. A description of the activities conducted, including type, estimated population reached and duration will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Our web site offers educational outreach information, resources and information pertaining to our construction permitting program. Google Analytics is used to capture web site activity. A total of 30,531 web page views and 1,802 downloads were recorded. MCESD Social Media Initiative: The MCESD Public Information Office, in coordination with Stormwater staff created social media posts featuring stormwater fact sheets, school program information, poster contest information and winners, and general stormwater pollution prevention information: 36 Facebook posts reached 1,932 people, 30 Twitter posts reached 10,868 people, 12 Instagram posts reached 433 people. As a member of STORM (Stormwater Outreach for Regional Municipalities), MC supported STORM'S efforts to collaborate with ABC News 15 and Facebook. Social Media and ABC15 Media Campaign – Reached a total 3,317,647 ad (1,300,000) and social media post (2,017,647) views with 27,313 clicks (engagements) including 126 stormwater related social media posts. Additionally, STORM and ABC15 were able to focus on a more targeted approach to increase the number of ad views. One example of this targeted approach is that all the advertisements were also produced in Spanish and directed at Spanish speaking households. STORM Website – Received a total of 6,987 webpage views by 3,321 users during 3,867 sessions. A session is defined as a period when a user is engaged in the website and the average session was 1 minute and 31 seconds.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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This medium of outreach is efficient in bringing public awareness by reaching a mass audience and allows for analysis of outreach results that can be modified to reach target audiences, we will continue using social media in FY21.

Question: Minimum Control Measure 1: Public Education and Outreach, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure1.

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Question: For each BMP in the Minimum Control Measure 2: Public Involvement and Participation, what was completed during this reporting period?

Answer:

BMP Name: Public Records Made Available

Category: Public Involvement

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Public Records Made Available: The Environmental Services Department will make available the SWMP, Annual Report and other records online.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Public Records Made Available: The Stormwater Quality Website with information that includes the SWMP, NOI, Annual Report and other records will be maintained and updated. The number of website downloads will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The website is current and continues to receive downloads and web-page views. The website received 30,531 web page views and 1,802 downloads.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Stormwater Quality website with information that includes the SWMP, NOI, Annual Report, and other records will be maintained and updated in FY21. Website activity will be recorded monthly and reported annually.

BMP Name: Public Participation of the SWMP

Category: Public Participation

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Public Participation of the SWMP: The Environmental Services Department will host a stake holder workshop annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Public Participation of the SWMP: The date of the stake holder workshop and the number of attendees will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

On January 22, 2020, a stakeholders meeting was conducted by an article distributed in MCESD EnviroConnections email publication with a link to our website to view the FY19 annual report power point presentation. A total of fifteen (15) people viewed the presentation posted on our website. The status of the Stormwater Program was reviewed, and stakeholders were given an opportunity for comments via email or phone.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

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We will continue to report stakeholder meetings in FY21.

BMP Name: Public Participation Through Surveys

Category: Public Participation

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Public Participation Through Surveys: The Environmental Services Department will provide surveys to the general public. These surveys are used to help spread the message of stormwater pollution prevention and aids in providing feedback to the Maricopa County Stormwater Quality Program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Public Participation Through Surveys: The amount of surveys provided and the amount of surveys received will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2019

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

To evaluate public awareness, increase participation, and assess effectiveness of the stormwater pollution prevention message, a Stormwater survey is offered at all outreach activities as well as online. A total of 1,185 surveys were completed and compiled. Fifteen (15) were taken at public events, three (3) submitted online, and the rest were given as pre- and post- assessments in school classes. Analysis of the survey is done annually to determine public knowledge trends and to align our program message to the concerns and needs of the public.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Surveys will continue to be used in FY21 to help identify public knowledge, trends, and to align our program message to the concerns and needs of the public.

BMP Name: Public Involvement Activities

Category: Public Involvement

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Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Public Involvement Activities: The Environmental Services Department and the Department of Transportation will encourage public involvement in activities such as participation in the stormwater contest for school children and local communities and participation in clean-up events, such as Tres Rios clean up event.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Public Involvement Activities: Public involvement activities will be reported annually. Items to be reported annually will include the number of cleanup activities, number of private sponsors and the number of volunteer participants.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

To encourage public participation and to support our pollution prevention message, MCSQP has continued, with great success, to host a Stormwater Pollution Prevention Poster contest. The poster contest is a collaboration of our program staff, educators, local sponsors and the Maricopa County Board of Supervisors. There was a total of 126 students who participated in the contest. These students ranged from 3rd to 6th grade and represented 11 different schools. The following sponsors contributed prizes for the winners of the contest: Arizona State Parks, Desert Botanical Gardens, Liberty Wildlife, Maricopa County Libraries, Maricopa County Parks and Recreation, the Phoenix Herpetological Society, and Bearizona. MCSQP recognizes that program coordination with other County administered programs contributes to our shared goal to protect water quality through the identification, prevention and elimination of stormwater pollution. The Maricopa County Department of Transportation's (MCDOT) Adopt-A-Road Program organized 85 clean up events with 771 volunteers contributing 1,537 hours that resulted in the collection of 1,155 bags of trash and 31 tires being removed from 94.5 miles of Maricopa County roadways. The Maricopa County Parks coordinated and over saw clean up events in the County parks where they hosted 21 events with 566 volunteers spent 1,810 hours removing trash and debris that could have otherwise polluted our recreational lakes and drinking water sources.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

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Milestone Description:

The poster contest, MCDOT's Adopt-A-Road Program, and Maricopa County Parks and Recreation's clean up events have been successful and will continue in FY21.

BMP Name: Public Participation Through a Stormwater Related Contest for School Children and Local Communities

Category: Public Participation

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Public Participation Through a Stormwater Related Contest for School Children and Local Communities: The Environmental Services Department will organize at least one stormwater related contest annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Public Participation Through a Stormwater Related Contest for School Children and Local Communities: The participation in the stormwater related contest will be reported annually, which will include the number of participants, submittals and other applicable data.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

To encourage public participation and to support our pollution prevention message, MCSQP has continued, with great success, to host a Stormwater Pollution Prevention Poster contest. The poster contest is a collaboration of our program staff, educators, local sponsors and the Maricopa County Board of Supervisors. There was a total of 126 students who participated in the contest. These students ranged from 3rd to 6th grade and represented 11 different schools. The following sponsors contributed prizes for the winners of the contest: Arizona State Parks, Desert Botanical Gardens, Liberty Wildlife, Maricopa County Libraries, Maricopa County Parks and Recreation, the Phoenix Herpetological Society, and Bearizona.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The poster contest has been successful and will continue in FY21.

Question: For Minimum Control Measure 2: Public Involvement and Participation, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure2.

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Question: For each BMP in the Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, what was completed during this reporting period?

Answer:

BMP Name: Statement of Responsibilities

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Statement of Responsibilities: A Statement of Responsibilities will be drafted and maintained by the Environmental Services Department.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Statement of Responsibilities: A Statement of Responsibilities has been drafted and will be maintained over time. This document is titled the Communication Plan Statement of IDDE Program Responsibilities.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The Statement of Responsibility's document was created in November 2015 and continues to be an effective means of locating lead responsible persons within Maricopa County. The document has been reviewed, personnel contacts have been updated, and each responsible agency has been provided a copy of the current document.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Statement of Responsibility document will continue in FY21.

BMP Name: Implement IDDE Program, Definitions and Prohibitions

Category: Implement IDDE Program

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Implement IDDE Program, Definitions and Prohibitions: The Environmental Services Department will develop an illicit discharge and improper disposal detection and elimination program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Implement IDDE Program, Definitions and Prohibitions: The County will maintain and update the multifaceted Illicit Discharge and Improper Disposal Detection and Elimination Program through an inspection program. The County has defined what constitutes an illicit discharge in the Maricopa County Stormwater Quality Management and Discharge Control Regulation. The IDDE program is written and recorded in the most recent Stormwater Management Plan.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The UUA of Maricopa County is systematically monitored and inspection activities are stored in our ARC GIS mapping software. Stormwater sewer system mapping of the UUA is 100% complete for all known structures. MC will continue to update the MS4 structural inventory as needed to reflect the required elements within the ADEQ General MS4 Permit.

The MCSQP has two (2) full time inspector positions who conduct routine IDDE inspections, complaint response inspections, and visual monitoring outfall inspections but one of those positions was left vacant this fiscal year. Program supervisor and outreach coordinator assisted with inspections. Inspectors completed 73.8 square miles and the structures within those miles were inspected. Employees identified zero (0) facilities within the UUA that may not have had appropriate AZDEPS/NPDES permit coverage and provided that information to ADEQ.

The visual monitoring program, as outlined in the SWMP, requires 20% of all outfalls be inspected annually and the five representative outfalls receive two (2) inspections per each of the two (2) wet seasons.

There is a total of 388 outfalls. The visual monitoring program produced 317 outfall inspections. There were 223 dry weather inspections and 94 wet weather inspections, resulting in 70% of all outfalls being inspected at least once in FY20. The program has identified the required five (5) representative outfalls. A total of 25 inspections were conducted on the five (5) representative outfalls.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The County will maintain and update the multifaceted Illicit Discharge Detection and Elimination program through an inspection program in FY21.

BMP Name: Training

Category: Staff Training

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Training: The Environmental Services Department will incorporate IDDE training into existing pollution prevention and good housekeeping training in the county-wide employee education and training program. In-person trainings and online classes will be utilized.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

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Training: Training sessions will be provided annually. The number of trainings conducted, type of training, the Department that received trainings and the number of employees trained will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The County maintains an employee education program for employees who are involved in the implementation of stormwater BMPs or a practice that is related to stormwater pollution prevention, through online and in person trainings. The MCSQP offers five (5) IDDE and Good Housekeeping training selections. A total of 245 employees from 15 different departments participated in an IDDE training session. A total of 194 employees received an in-person training and 228 employees completed 537 online classes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of trainings and number of employees trained will be recorded and reported annually. Training will be evaluated annually and updated as needed in FY21.

BMP Name: Stormwater Sewer Mapping

Category: Mapping

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Stormwater Sewer Mapping: The Environmental Services Department and the Flood Control District will maintain a storm sewer system map with locations of outfalls and receiving WoUS.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Stormwater Sewer Mapping: Stormwater system mapping is in progress and will be completed by September 2017. The entire jurisdictional area has received inspection activities and all Receiving Waters have been identified and mapped. The majority of all stormwater structures and outfalls have been identified and all remaining will be identified in the process of system mapping. To ensure map completion, the County has identified all areas remaining to be mapped and will track and record the amount of square miles mapped on a monthly basis.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The UUA of Maricopa County is systematically monitored and inspection activities are stored in our ARC GIS mapping software. Stormwater sewer system mapping of the UUA is 100% complete for all known structures. MC will continue to update the MS4 structural inventory as needed to reflect the required elements within the ADEQ General MS4 Permit.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Maricopa County will continue to implement its current IDDE program in order to detect and eliminate illicit discharges to the MS4. MC will continue to update the MS4 structural inventory as needed. The IDDE program is well established and will continue in its present form in FY21.

BMP Name: Visual Outfall Monitoring

Category: Dry Weather Screening

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Visual Outfall Monitoring: The Environmental Services Department will maintain a visual outfall monitoring program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Visual Outfall Monitoring: A minimum of 20% of all outfalls will be inspected annually. The number of outfalls inspected, violations and re-inspections will be reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The visual monitoring program, as outlined in the SWMP, requires 20% of all outfalls be inspected annually and the five representative outfalls receive two (2) inspections per each of the two (2) wet seasons.

There is a total of 388 outfalls. The visual monitoring program produced 317 outfall inspections. There were 223 dry weather inspections and 94 wet weather inspections, resulting in 70% of all outfalls being inspected at least once in FY20. The program has identified the required five (5) representative outfalls.

A total of 23 inspections were conducted on the five (5) representative outfalls.

Outfall #234 received two (2) summer season and two (2) winter season inspections.

Outfall #032 received two (2) summer season and two (2) winter season inspections.

Outfall #049 received two (2) summer season and three (3) winter season inspections.

Outfall #005 received two (2) summer season three (3) winter season inspections.

Outfall #014 received two (2) summer and three (3) winter season inspections.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The visual monitoring program will continue to be reported in FY21.

BMP Name: Visual Wet Weather Outfall Monitoring

Category: Wet Weather Monitoring

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Visual Wet Weather Outfall Monitoring: The Environmental Services Department will develop and implement a wet weather outfall monitoring program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Visual Wet Weather Outfall Monitoring: Five (5) representative outfalls will be identified for the visual wet weather monitoring program. Each representative outfall will be inspected twice (2) during each wet season. The number of outfalls inspected, violations and re-inspections will be reported annually. Written outfall procedures and reports will be stored on the Stormwater Geographical Information System Data Base.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The visual monitoring program, as outlined in the SWMP, requires 20% of all outfalls be inspected annually and the five representative outfalls receive two (2) inspections per each of the two (2) wet seasons.

There is a total of 388 outfalls. The visual monitoring program produced 317 outfall inspections. There were 223 dry weather inspections and 94 wet weather inspections, resulting in 70% of all outfalls being inspected at least once in FY20. The program has identified the required five (5) representative outfalls. A total of 23 inspections were conducted on the five (5) representative outfalls.

Outfall #234 received two (2) summer season and two (2) winter season inspections.

Outfall #032 received two (2) summer season and two (2) winter season inspections.

Outfall #049 received two (2) summer season and three (3) winter season inspections.

Outfall #005 received two (2) summer season three (3) winter season inspections.

Outfall #014 received two (2) summer and three (3) winter season inspections

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The UUA is systematically and efficiently monitored and inspected by the visual monitoring program and will continue in FY21.

BMP Name: Complaint Hotline

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Complaint Hotline: The Environmental Services Department and the Department of Transportation will maintain a complaint hotline.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Main Office

1110 W.Washington Street . Phoenix, AZ 85007
(602)771-2300

Southern Regional Office

400 W.Congress Street . Suite 433 . Tucson, AZ 85701
(520)628-6733

www.azdeq.gov

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Complaint Hotline: All complaints will be investigated and responded to within 15 days of the complaint received date. The number and type of complaints will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

In order to help our stakeholders to have access to correct and timely contact information, the program contact information is provided on the website along with a 24-hour citizen complaint hot line number. There was a total of 26 complaints submitted to ESD. Complaint types recorded include constructing without a permit, sediment, oils, waste/pool water, dumping, and trash/debris. MC standards requires complaints to be responded to within 15 days. Program staff responded to complaints, on average, within one (1) days. In the case where a Letter of Violation was issued, the recipient has 30 days to provide a response. There were ten (10) complaints forwarded to other county departments or jurisdictions, four (4) complaints for construction without a permit, there were six (6) complaints were found to have no evidence of illicit discharge at the time of the response inspection and six (6) complaints found to support an illicit discharge. A total of three (3) Letters of Violation were issued for construction without a permit. All complaints and Letters of Violations were resolved without need for further enforcement. A total of 443 complaints were processed. MCDOT recorded 417 complaints that were reported and responded to.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Environmental Services Department and the Department of Transportation will maintain a complaint hotline in FY21.

BMP Name: Educational Materials

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Educational Materials: The Environmental Services Department will create and distribute educational materials and pamphlets.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Educational Materials: Educational and stormwater pollution prevention pamphlets and brochures and other forms of outreach will be distributed annually. The type and number of educational materials distributed will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The County maintains an employee education program for employees who are involved in the implementation of stormwater BMPs or a practice that is related to stormwater pollution prevention, through online and in person trainings. The MCSQP offers five (5) IDDE and Good Housekeeping training selections. A total of 245 employees from 15 different departments participated in an IDDE training session. A total of 194 employees received an in-person training and 228 employees completed 537 online classes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of trainings and number of employees trained will be recorded and reported annually. Training will be evaluated annually and updated as needed in FY21.

BMP Name: Eliminating Illicit Discharges

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Eliminating Illicit Discharges: The Environmental Services Department will enforce the Maricopa County Stormwater Quality Management and Discharge Control Regulation through enforcement actions as detailed in the regulation and through enforcement procedures enacted by the Environmental Services Enforcement Program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Main Office

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Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Eliminating Illicit Discharges: The number of citations and legal actions issued will be reported annually. The report will include a detailed description of the discharge and the means of elimination or mitigation.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

In order to help our stakeholders to have access to correct and timely contact information, the program contact information is provided on the website along with a 24-hour citizen complaint hot line number. There was a total of 26 complaints submitted to ESD. Complaint types recorded include constructing without a permit, sediment, oils, waste/pool water, dumping, and trash/debris. MC standards requires complaints to be responded to within 15 days. Program staff responded to complaints, on average, within one (1) days. In the case where a Letter of Violation was issued, the recipient has 30 days to provide a response. There were ten (10) complaints forwarded to other county departments or jurisdictions, four (4) complaints for construction without a permit, there were six (6) complaints were found to have no evidence of illicit discharge at the time of the response inspection and six (6) complaints found to support an illicit discharge. A total of three (3) Letters of Violation were issued for construction without a permit. All complaints and Letters of Violations were resolved without need for further enforcement. MCDOT recorded 417 all complaints were responded to and resolved.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

These procedures will continue in FY21.

BMP Name: Legal Authority

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Legal Authority: The Environmental Services Department will review and update if needed the Maricopa County Stormwater Quality Management and Discharge Control Regulation.

Is another government entity responsible for this BMP ? No

Measurable Goals:

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Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Legal Authority: Legal authority will be maintained and any modifications will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Legal Authority for Construction Compliance and Erosion and Sediment Control Practices The Environmental Service Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and is consistent with the most recent Flood Control District of Maricopa County (FCDMC) MC Drainage and Policies and Standards, MC Drainage Regulations, MC Subdivision Regulations and Floodplain Regulations and the MC Drainage Manual, Volume III, Erosion Control. Currently the FCDMC Drainage Policies and Standards Manual for Maricopa County is being revised. Upon completion of the revision, MC will provide the updated version on their web site. Maricopa County Drainage Policies and Standards 3 was Revised August 22, 2018.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Environmental Services Department will review and update if needed the Maricopa County Stormwater Quality Management and Discharge Control Regulation. Any modifications will be recorded and reported annually for FY21.

BMP Name: Indicators of IDDE Program Progress

Category: Written IDDE Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Indicators of IDDE Program Progress: The Environmental Services Department will conduct a self-evaluation annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

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Milestone Description:

Indicators of IDDE Program Progress: The self-evaluation will include tracking employee performance standards and managing for results standards. Other indicators, such as complaint response times, number of proactive inspections, public survey responses and analyzing complaints may also be incorporated into the self-evaluation. The findings will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

In order to help our stakeholders to have access to correct and timely contact information, the program contact information is provided on the website along with a 24-hour citizen complaint hot line number. There was a total of 26 complaints submitted to ESD. Complaint types recorded include constructing without a permit, sediment, oils, waste/pool water, dumping, and trash/debris. MC standards requires complaints to be responded to within 15 days. Program staff responded to complaints, on average, within one (1) days. In the case where a Letter of Violation was issued, the recipient has 30 days to provide a response. There were ten (10) complaints forwarded to other county departments or jurisdictions, four (4) complaints for construction without a permit, there were six (6) complaints were found to have no evidence of illicit discharge at the time of the response inspection and six (6) complaints found to support an illicit discharge. A total of three (3) Letters of Violation were issued for construction without a permit. All complaints and Letters of Violations were resolved without need for further enforcement

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Self-evaluation will continue in FY21.

Question: For Minimum Control Measure 3: Illicit Discharge Detection and Elimination Program, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure3.

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Question: Were staff trained in IDDE Awareness and Response?

Answer:

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Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	09/04/2019	Intro to stormwater and IDDE	12	One time event
2	12/16/2019	Intro to Stormwater and IDDE	4	One time event
3	08/06/2019	Stormwater Pollution ENV205B, ENV205D - online classes	2	Annually
4	10/01/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	31	Annually
5	11/22/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	147	Annually
6	04/01/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	45	Annually
7	10/09/2019	Stormwater Training	177	Annually
8	03/25/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	40	Annually
9	05/15/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	15	Annually
10	07/20/2019	Stormwater Pollution ENV205C - online classes	7	Annually
11	01/08/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	38	Annually
12	09/08/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	8	Annually

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13	12/03/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	140	Annually
14	02/12/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	36	Annually
15	06/23/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E – online classes	18	Annually

Question: Minimum Control Measure 1: Illicit Discharge Detection and Elimination Program, Provide the details of the Illicit Discharge Detection and Elimination (IDDE) incidents that occurred during this reporting period.

Answer:

Number of IDDE incidents reported in this reporting period: 26

Number of IDDE incidents responded to in this reporting period: 16

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	0	0	0

Question: Were there any unpermitted discharges to the MS4?

Answer: No

Question: Were any samples collected to characterize illicit discharge(s) in this reporting period?

Answer: No

Number of Illicit Discharges Sampled are:

In the event of a confirmed illicit discharge, visual monitoring was conducted only.

Question: For each BMP in the Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, what was completed during this reporting period?

Answer:

BMP Name: Inventory

Category: Inventory

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Inventory: The Environmental Services Department will create and maintain an inventory of construction activities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Inventory: An online inventory of all construction activities was developed in June of 2016. This online inventory will be maintained and updated annually. The online inventory is stored and maintained in the Stormwater Program's Geographical Information Systems Data Base.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2019

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Program staff maintains an inventory of current and historical construction sites within the programs geographical information system (GIS) mapping software.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The online inventory will be maintained and updated annually continuing in FY21. Maricopa County Planning and Development will also be maintaining an inventory in the Accela Program in FY21.

BMP Name: Site Plan Review

Category: Site Plan Review

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Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Site Plan Review: The Environmental Services Department will record the number of permit applications received and reviewed.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Site Plan Review: The number of applications received and reviewed will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Staff experts have developed written procedures for construction plan review and site inspections. Included in these procedures are schedules for re-inspection and prioritization of completion. The procedures are currently being implemented and enforced through the Maricopa County Stormwater Quality Management and Discharge Control Regulation. A total of 13 site plans were submitted and there were 23 reviews.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of applications received and reviewed will continue to be recorded and reported annually in FY21.

BMP Name: Tracking and Record-keeping

Category: Written Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Tracking and Record-keeping: The Environmental Services Department will maintain a tracking and record-keeping program for the construction program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

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Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Tracking and Record-keeping: The number of construction inspections, re-inspections, and violations documented and the number of enforcement actions will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Staff experts have developed written procedures for construction plan review and site inspections. Included in these procedures are schedules for re-inspection and prioritization of completion. The procedures are currently being implemented and enforced through the Maricopa County Stormwater Quality Management and Discharge Control Regulation. A total of 13 site plans were submitted and there were 23 reviews.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of construction inspections, re-inspections, violations documented, the number of enforcement actions taken, and the number of complaints received will be recorded and reported annually. Maricopa County Planning and Development will be a partner in conducting construction inspections in FY21 as a part of the grading and drainage inspections.

BMP Name: Site Plan Review Procedures

Category: Written Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Site Plan Review Procedures: The Environmental Services Department will create and maintain site plan review procedures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

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Site Plan Review Procedures: Site plan review procedures have been established since 2009 and updated in 2016.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Staff experts have developed written procedures for construction plan review and site inspections. Included in these procedures are schedules for re-inspection and prioritization of completion. The procedures are currently being implemented and enforced through the Maricopa County Stormwater Quality Management and Discharge Control Regulation. A total of 13 site plans were submitted and there were 23 reviews.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of applications received and reviewed will continue to be recorded and reported annually in FY21. Maricopa County Planning and Development Department will be accepting and reviewing applications in FY21 as a part of the department's grading and drainage plan reviews.

BMP Name: Education/ Public Involvement

Category: Education/Public Involvement

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Education/Public Involvement: The Environmental Services Department will make available educational materials for the development community and host a stake holder workshop annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Education/Public Involvement: An active webpage with educational material will be maintained. The number of webpage hits and the quantity and type of educational materials distributed will be tracked and reported annually. At a minimum, one stake holder workshop will be held annually. The number of workshops and the number of participants will be reported annually.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Our web site offers educational outreach information, resources and information pertaining to our construction permitting program. Google Analytics is used to capture web site activity. A total of 30,531 web page views and 1,802 downloads were recorded. On January 22, 2020, a stakeholders meeting was conducted by an article distributed in MCESD EnviroConnections email publication with a link to our website to view the FY19 annual report power point presentation. A total of fifteen (15) people viewed the presentation posted on our website. The status of the Stormwater Program was reviewed and stakeholders were given an opportunity for comments via email or phone. This year's public event venues were located at Avondale STEAM Fest; Legacy Traditional School STEAM Night; Cortina Elementary STEAM Night; AARP Health, Safety, and Pet Festival; Loving Life After 50 Event; Surprise SciTech Festival; Phoenix College STEAM Fest; Country Meadows STEM Night; and Tempe Oktoberfest (2 nights). Program staff participated in 10 events which reached. The School Outreach Program focuses on in person classroom education. This focus continues to be successfully accomplished through the use of five (5) classroom workshops developed by the program. These hands-on, grade specific workshops are regularly presented to the K-8 students throughout Maricopa County. The MCSQP has one full time Outreach Coordinator who has conducted 59 educational workshops that reached 1,455 students in 9 cities.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue to maintain a website that provides useful information to the public on stormwater pollution prevention, providing a Stakeholders meeting and participating in public workshops and events in FY21.

BMP Name: Re-Inspection and enforcement Procedures

Category: Written Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Re-Inspection and enforcement Procedures: The Environmental Services Department will maintain re-inspection and enforcement procedures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

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Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Re-Inspection and enforcement Procedures: Re-inspection and enforcement procedures are outlined and detailed in a program SOP, and in the Maricopa County Stormwater Quality Management and Discharge and Control Regulation.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Inspectors' conducted 14 pre-construction inspections, 83 routine inspections, and two (2) re-inspections. Three (3) BMP violations were noted and corrected. There were four (4) complaints filed for land disturbance/construction without a permit and three (3) Letters of Outstanding Violation were generated from those complaints. All violations were resolved without further enforcement action.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The County has developed and continues to maintain and enforce our construction activity stormwater runoff control program. BMPs for this measure are outlined in this section. The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the Maximum Extent Practicable (MEP). We will continue to report annually in FY21.

BMP Name: Ordinance for Erosion Control Practices

Category: Erosion/ Sediment Control

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Ordinance for Erosion Control Practices: The Environmental Services Department and the Flood Control District will maintain an ordinance that requires the use of sediment and erosion control practices.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

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Milestone Description:

Ordinance for Erosion Control Practices: The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and the Flood Control District of Maricopa County has adopted the Drainage Design Manual (Erosion Control). Ordinances will be reviewed and updated as needed for compliance. Any updates will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The Environmental Service Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and is consistent with the most recent Flood Control District of Maricopa County (FCDMC) MC Drainage and Policies and Standards, MC Drainage Regulations, MC Subdivision Regulations and Floodplain Regulations and the MC Drainage Manual, Volume III, Erosion Control.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Regulations will be reviewed and updated as needed for compliance. Any updates will be reported annually and will continue in FY21.

BMP Name: Legal Authority for Construction Activity Compliance

Category: Control Wastes

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Legal Authority for Construction Activity Compliance: The Environmental Services Department will maintain legal authority to enforce stormwater runoff during construction activities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

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Legal Authority for Construction Activity Compliance: The Environmental Services Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation. This regulation will be evaluated annually for compliance and any new rules or newly adopted legal authority will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The Environmental Service Department has adopted the Maricopa County Stormwater Quality Management and Discharge Control Regulation and is consistent with the most recent Flood Control District of Maricopa County (FCDMC) MC Drainage and Policies and Standards, MC Drainage Regulations, MC Subdivision Regulations and Floodplain Regulations and the MC Drainage Manual, Volume III, Erosion Control.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Regulations will be reviewed and updated as needed for compliance. Any updates will be reported annually and will continue in FY21.

BMP Name: Written Procedures for Site Inspection

Category: Inspections

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Written Procedures for Site Inspection: The Environmental Services Department will formalize written procedures in the form of Standard Operating Procedures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Written Procedures for Site Inspection: Site inspection procedures have been in place since 2009 and formalized in a Standard Operating Procedure (SOP). This SOP was created May 11, 2010 and updated November 3, 2015. The SOP has subsequently been updated in 2016 to incorporate a prioritization schedule.

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Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Written procedures are effective. The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

Written procedures are effective and we will continue to review and report annually of any changes in FY21.

BMP Name: Training_

Category: Construction Operator Training

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Training: The Environmental Services Department will develop, implement and incorporate into the existing training program, education and training specifically on construction activity stormwater runoff for employees who conduct activities related to implementing the construction activity stormwater runoff control program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Training: Training sessions will be provided annually. The number of trainings conducted, type of training, the Department that received trainings and the number of employees trained will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start 07/01/2018

Date:

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Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Stormwater Quality staff received annual training. In addition, employees participated in AZWater Conference (Online), AZWater construction committee, and HAZWOPER refresher course.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue reporting on Training sessions annually in FY21.

Question: For Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure4.

The County has developed and continues to maintain and enforce our construction activity stormwater runoff control program. BMPs for this measure are outlined in this section. The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the Maximum Extent Practicable (MEP).

Question: Were any construction activity operator training events conducted?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	07/01/2019	Dust control operator training with intro to stormwater. Multiple classes through FY. MC Air Quality Dept	5006	Monthly
2	10/31/2019	Ground Control Stormwater Pollution Prevention for Construction Sites DVD	2	Annually

Question: Minimum Control Measure 4: Construction Activity Stormwater Runoff Control, Provide the details of the construction activity complaints and inspections that were conducted during this reporting period.

Answer:

Number of active construction sites in this reporting period: 39

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Has an inspection frequency been developed and implemented? YES

Number of active construction sites inspected at least weekly: 0

Number of active construction sites inspected at least one time every six months: 35

Number of active construction sites inspected at least monthly: 35

Number of active construction sites inspected at least annually: 35

Number of construction activity complaints that were resolved or responded to: 4

Number of active construction sites not inspected: 4

Number of construction activity complaints received in this reporting period: 4

Number of active construction sites that required re-inspections in this reporting period: 1

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	3	3	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	3	3	0

Question: For each BMP in the Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, what was completed during this reporting period?

Answer:

BMP Name: Post-construction structures

Category: Inventory

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Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Inventory: The Environmental Services Department will maintain an up to date inventory of post-construction structural stormwater control measures.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Inventory: An inventory of post-construction structural stormwater control measures will be maintained. Inventory is stored both in paper application format and is available on the Geographical Information System database.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

An inventory of post-construction structural stormwater control measures will be maintained. Inventory is stored both in paper application format and is available on the Geographical Information System database.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will maintain an up to date inventory of post construction structural stormwater control measures any changes will be reported in FY21.

BMP Name: Regulatory Mechanism for Post-Construction Stormwater Controls

Category: Enforcement

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Regulatory Mechanism for Post-Construction Stormwater Controls: Maricopa County Planning and Development, Flood Control District and the Environmental Service Department will maintain and enforce programs to address post-construction stormwater runoff.

Is another government entity responsible for this BMP ? No

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Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Regulatory Mechanism for Post-Construction Stormwater Controls: Maricopa County has developed and will enforce the following ordinances: Stormwater Quality Management and Discharge Control Regulation, Drainage Policies and Standards Manual, Drainage Regulations and Floodplain Regulations. Legal mechanisms and ordinances will be maintained and updated as needed.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Maricopa County has developed and will enforce the following ordinances: Stormwater Quality Management and Discharge Control Regulation, Drainage Policies and Standards Manual, Drainage Regulations and Floodplain Regulations. Legal mechanisms and ordinances will be maintained and updated as needed.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will maintain and enforce the legal mechanisms and ordinances and report any updates in FY21.

BMP Name: Site Plan Reviews

Category: Site Plan Reviews

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Site Plan Reviews: The Environmental Services Department will implement and maintain a site plan review process.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Site Plan Reviews: A staff of at least one will be assigned to conduct post construction plan reviews. The number of staff performing reviews and the number of applications received and reviewed will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

Two (2) post construction plan reviews were received, reviewed, and approved in FY20.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

All post construction plans reviewed and received will be reported in FY20.

BMP Name: Technical Guidance and Educational Materials

Category: Structural/Non-Structural BMP

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Technical Guidance and Educational Materials: The Environmental Services Department will develop and distribute technical guidance and educational materials for post construction stormwater management.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Technical Guidance and Educational Materials: Guidance and educational materials will be made available on the Stormwater webpage. The number of materials distributed and the number of webpage hits and downloads will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

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The program provides free educational resources on our website, at events, and through direct communication with inspectors and support staff. Google Analytics is used to record construction website activity. There were 700 downloads and 29,554 views pertaining to construction recorded for FY20.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

An active webpage with educational material will be maintained. Web-site activity will be recorded monthly and reported annually in FY21.

BMP Name: Inspections

Category: O&M Procedures

Personnel Position/Department: Stormwater Quality Program/Environmental Services

BMP Description :

Inspections: The Environmental Services Department will maintain the post construction inspection program.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Inspections: Post-construction permits will be inspected annually. The number of post-construction inspections, the number of violations observed, number of re-inspections and any enforcement actions will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

MCSQP has meet its measurable goal of inspecting and reporting on construction activity including the number of inspections, complaints, and enforcement actions. A total of thirty-three (33) post construction inspections were conducted, two (2) post construction site plans were submitted or reviewed. There were no violations noted and no re-inspections were required. There were no complaints and no Letters of Outstanding Violation for not obtaining required post-construction permit.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

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Milestone Description:

Post Construction inspections, complaints and enforcement totals will be reported in FY21.

Question: For Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

Provide a summary of compliance with the requirements for Minimum Control Measure5.

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Question: Minimum Control Measure 5: Post-Construction Stormwater Management in New Development and Redevelopment, Provide the details of the Post-Construction Stormwater controls used during this reporting period

Answer:

Number of sites that required Post-Construction Stormwater controls in this reporting period: 0

Number of Post-Construction Stormwater controls inspected in this reporting period: 33

Sr.No.	Enforcement Actions	Enforcements Issued	Enforcements Resolved	Enforcements Unresolved
1	NOV	0	0	0
2	NOC	0	0	0
3	Stop Work	0	0	0
4	Admin Order	0	0	0
5	Admin Fines	0	0	0
6	Civil Penalties	0	0	0
7	Criminal Action	0	0	0
	Total	0	0	0

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Question: For each BMP in the Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, what was completed during this reporting period?

Answer:

BMP Name: Street Sweeping

Category: Street Sweeping

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

The Department of Transportation will maintain a regular street sweeping program. The current frequency and schedule for street sweeping is as follows:

16 weeks for arterial streets

8 weeks for residential streets

2 weeks for special cycle streets

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The number of miles swept will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The County's street sweeping program conducted 6,340.17 miles of sweeping during FY20.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of miles swept will be recorded and reported annually in FY21. The current frequency and schedule for street sweeping is as follows:

2 Week Sweeps – 2708.98 CLM (Center Line Miles)

4 Week Sweeps – 339.56 CLM

8 Week Sweeps – 3291.63 CLM

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BMP Name: Facility Inventory

Category: Inventory

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

The Environmental Services Department, Risk Management and Equipment Services will keep an inventory of all county owned or leased facilities.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The inventory will be maintained and updated annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

An inventory and prioritization inspection schedules of county owned facilities are maintained and updated annually. There are 432 county owned facilities. There are 54 county facilities that are priority facilities and 378 are non-priority.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

All County owned or leased facilities have been inventoried using the County's ARC GIS mapping system and will update annually in FY21.

BMP Name: Maintenance Schedule

Category: Maintenance Schedule

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

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The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve to the proactive MS4 inspection program.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The operation and maintenance (O&M) divisions are maintained by the Flood Control District of Maricopa County (FCDMC) and by the Maricopa County Department of Transportation (MCDOT). FCDMC and MCDOT have adequate O&M staffs who routinely maintain stormwater structures. Environmental Services Department has had one full time inspector for FY20. Operations, maintenance and inspections programs are well established and efficient.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain an appropriately staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve the proactive MS4 inspection program.

BMP Name: Employee Trainings

Category: Training

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

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The Environmental Services Department will maintain the County wide education and training program on Stormwater Pollution Prevention. In-person trainings and online classes will be utilized.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

Training sessions will be provided annually. The number of trainings conducted, type of training, the Department that received training and the number of employees trained will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

The County maintains an employee education program for employees who are involved in the implementation of stormwater BMPs or a practice that is related to stormwater pollution prevention, through online and in person trainings. The MCSQP offers five (5) IDDE and Good Housekeeping training selections. A total of 245 employees from 15 different departments participated in an IDDE training session. A total of 194 employees received an in-person training and 228 employees completed 537 online classes.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The number of trainings and number of employees trained will be recorded and reported annually and for FY21.

BMP Name: Maintenance and Inspections Program

Category: O&M Procedures

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.

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Is another government entity responsible for this BMP ?

No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve to the proactive MS4 inspection program.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

MCSQP inspectors conducted inspections in 73.8 square miles of the UUA and the structures within those miles. Maricopa County Department of Transportation (MCDOT) Operational and Maintenance Division is appropriately staffed with employees who conduct routine and complaint inspections and repairs of stormwater structures. MCDOT recorded 417 complaints for FY20 and the County's street sweeping program conducted 6,340.17 miles of sweeping during this fiscal year. The Flood Control District of Maricopa County (FCD) Operational and Maintenance Division employs a full time staff who routinely maintain MCFCD stormwater structures. FCD spent 1422 labor hours maintaining the Sun City West Drain and Sonoqui Wash – 2 main waterway drains in the UUA as well as other FCD structures throughout Maricopa County.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue to report on Operational and maintenance and maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution in FY21.

BMP Name: Maintenance Program

Category: Maintenance Activities

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

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The Department of Transportation and the Flood Control District will maintain a maintenance program of County owned infrastructure. The Environmental Services Department will maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

The Department of Transportation will maintain a fully staffed roadway operation division and the Flood Control District will maintain a fully staffed operation and maintenance division. The Environmental Services Department will maintain staff to preserve to the proactive MS4 inspection program.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

MCSQP inspectors conducted inspections within 73.8 square miles of UUA and the structures within those miles. Maricopa County Department of Transportation (MCDOT) Operational and Maintenance Division was appropriately staffed to conduct routine and complaint inspections and repairs of stormwater structures. MCDOT recorded 417 complaints for FY20 and the County's street sweeping program conducted 6,340.17 miles of sweeping during this fiscal year. The Flood Control District of Maricopa County (FCD) Operational and Maintenance Division employs a full time staff who routinely maintain MCFCD stormwater structures. FCD spent 1422 labor hours maintaining the Sun City West Drain and Sonoqui Wash – 2 main waterway drains in the UUA as well as other FCD structures throughout Maricopa County.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue to report on Operational and maintenance and maintain the proactive inspection program of the entire MS4 to identify potential sources of pollution in FY21.

BMP Name: Facility Prioritization

Category: Facility Prioritization

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Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

The Environmental Services Department will prioritize facilities through an internal evaluation based on their associated risk of potential pollutant discharge.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

This inventory will be maintained and updated annually based on inspection findings.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

An inventory and prioritization inspection schedules of county owned facilities are maintained and updated annually. There are 432 county owned facilities. There are 54 county facilities that are priority facilities and 378 are non-priority. The SWMP requires the County to provide annual inspections on a minimum of 20% of all facilities and all priority facilities will receive at least one annual inspection. All 54 priority facilities received an annual inspection and 195 inspections were conducted at non-priority facilities resulting in 57% of all facilities being inspected.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

The priority facility inventory will be maintained and updated annually for FY21.

BMP Name: Facility Inspections

Category: Inspections

Facility Information:

Maricopa County

Personnel Position/Department: Autumn Martinez / Environmental Services Department

BMP Description :

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The Environmental Services Department and the Equipment Services Department will maintain an inspection program for County owned or leased facilities. The Environmental Services Department will maintain an inspection program for Priority Facilities. 100% of all priority facilities will be inspected annually. The number of inspections conducted will be reported annually.

Is another government entity responsible for this BMP ? No

Measurable Goals:

Start Date: 09/30/2016

Targeted End Date: 09/29/2021

Frequency: 1 Annually

Milestone Description:

One Hundred Percent (100%) of all priority facilities will be inspected annually. The number of inspections conducted will be reported annually.

Were milestones/measurable goals achieved for this reporting period? Yes

Actual BMP Start Date: 07/01/2018

Provide a description of BMP effectiveness, including metrics used to determine effectiveness.

There are 54 county facilities that are priority facilities and 378 are non-priority. The SWMP requires the County to provide annual inspections on a minimum of 20% of all facilities and all priority facilities will receive at least one annual inspection. All 54 priority facilities received an annual inspection and 195 inspections were conducted at non-priority facilities resulting in 57% of all facilities being inspected. The Equipment Services Department (EQSR) and the Waste Resources and Recycling Division (WRR) maintain a self-inspection program. EQSR performs routine and comprehensive Stormwater Pollution Prevention Plan (SWPPP) type inspections at their four (4) service facilities that resulted in 935 inspections per site at a daily, sixteen (16) quarterly + twenty-two (22) visual assessments, and four (4) annual inspection schedule for a grand total of 977 site inspections. The WWR conducted routine SWPPP inspections at their six (6) transfer stations for a total of thirty (30) inspections.

Provide a summary of activities planned for next reporting period

BMP does not apply for next reporting period: No

Milestone Description:

We will continue to keep an inventory and review and update county facilities and report inspection activity annually in FY21.

Question: For Minimum Control Measure 6: Pollution Prevention and Good Housekeeping, Did the program implement any additional BMPs during this reporting period?

Answer:

Did the program implement any additional BMPs during this reporting period? No

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Provide a summary of compliance with the requirements for Minimum Control Measure6.

The County has achieved permit compliance through the strategic actions and activities that are documented in the SWMP and results shown in this annual report. The County has shown, through its Best Management Practices, the ability to remove the presumed pollutants to the maximum extent practicable (MEP).

Question: Was staff training conducted?

Answer:

Yes

Sr.No.	Date of Training Event	Training Subject	Number of Employees Trained	Frequency of Training
1	07/20/2019	Stormwater Pollution ENV205C - online classes	7	Annually
2	09/08/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	8	Annually
3	08/06/2019	Stormwater Pollution ENV205D, ENV205B - online classes	2	Annually
4	10/01/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	31	Annually
5	11/22/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E	147	Annually
6	12/03/2019	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	140	Annually
7	01/08/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E	38	Annually
8	02/12/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	36	Annually
9	03/25/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	40	Annually

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10	04/01/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	45	Annually
11	05/15/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E - online classes	15	Annually
12	06/23/2020	Stormwater Pollution ENV205A, ENV205B, ENV205C, ENV205D, ENV205E	18	Annually
13	09/04/2019	Stormwater Quality Program Introduction and Stormwater Pollution, Perils of Impervious Surfaces	12	One time event
14	12/04/2019	Stormwater Quality Program Introduction and Stormwater Pollution Prevention, Perils of Impervious Surfaces	4	One time event
15	10/09/2019	Stormwater Training	177	Annually

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